

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Small surface mounting type
- Two diode elements are connected in series

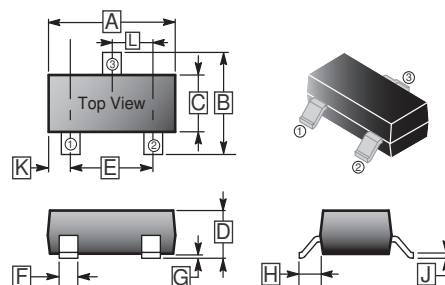
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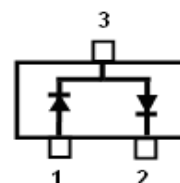
PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-323	3K	7 inch

SOT-323



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.05	REF.	E	0.080	0.180
B	0.20	REF.	F	1.15	1.45
C	0.80	1.00	G	1.60	1.80
D	0.25	0.40	H	2.30	2.70



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter		Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage		V _{RM}	80	V
DC Blocking Voltage		V _R	80	V
Forward Continuous Current		I _{FM}	300	mA
Average Rectified Output Current		I _O	100	mA
Peak Forward Surge Current	@ t = 1.0µs	I _{FSM}	0.4	A
	@ t = 10ms		1	
Power Dissipation		P _D	200	mW
Operating temperature range		T _{opr}	-40~100	°C
Junction & Storage Temperature		T _J , T _{STG}	150, -55~150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V _{(BR)R}	80	-	V	I _R =100µA
Reverse Voltage Leakage Current	I _R	-	0.2	µA	V _R =70V
Forward Voltage	V _F	-	1200	mV	I _F =100mA

CHARACTERISTIC CURVES

